

Flood Control District Strategic Issues, 5 Year Goals and FY 2016 Key Initiatives

STRATEGIC ISSUES -

- # 1: The Maricopa Association of Governments projects the population in Maricopa County to increase by 32% to 5.4 million by 2030. This population extends into portions of the County and without adequate flood protection, increases the risk of loss of life or property. If this issue is not addressed, residents will continue to be in danger of flooding and there may be a disruption in economic development and revenue for cities, towns and the County.
- # 2: Several recent high-profile flooding disasters in the United States, such as Hurricane Sandy, have led to the development of more stringent federal regulations and expanded enforcement of existing regulations, which are not appropriate in Arizona. If not addressed, these will increase the time and cost of building and repairing flood control structures, putting other people and property at-risk of flooding and will increase flood insurance costs for residents. These requirements could also decrease property values and adversely impact economic development.
- # 3: The District’s flood control structures are aging as 42 of the 83 structures are over 25 years old, requiring increased maintenance or rehabilitation. If unaddressed, these structures will be more likely to fail placing residents, businesses, properties and infrastructure at risk.

GOAL # 1:

By 2022, the District will have reduced the risk of loss of life or property due to storm water flooding from 84% to 94% of the 2030 projected population of the County.
(Risk reduction is measured based on structures, regulation and information that comes out of studies.)

	Key Initiatives
	Implement On-Base as FCD Records System
	Develop training opportunities for management & staff. Assess and implement staff training opportunities which may include LTAP, ASU Fulton School of Engineering/field trips for staff.
	Implement GPS in Vehicles
	Resiliency (Career ladders, hire back retirees part-time, job rotation, cross training, double bunking, Standard Operating Procedures, Desk Instruction Manuals)
	Evaluate new technologies including use of drones/satellites
	Improve employee PMP Goals, Measures and rating criteria to align with 5 Year Goals <i>(Where appropriate)</i> and provide tangible performance criteria
	Evaluate & update FCD land & drainage policies, & resolutions
	Develop District Communication Plan and Calendar of Events
	Verify District structure property ownership and correct deficiencies
	Develop a post flooding storm survey process for documenting impacts & areas of flooding
	Pursue alternative funding sources including grants, private/public partnerships
	Conduct engineering inspections on 100% of District maintained non-dam structures completed prior to 1996 and initiate corrective action on 50% of identified deficiencies
	Develop strategies to position the District to proactively respond & address unique opportunities

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STRATEGIC ISSUE: # 4: The current 15 year drought has created a shortage of water in the Colorado River basin and will likely result in a reduction of water delivered to Arizona through the Central Arizona Project as early as 2016, which will result in increased groundwater pumping. If not addressed, groundwater pumping could cause subsidence, putting District structures at risk of failure, thus increasing the flooding risk to residents, property owners and infrastructure.	
GOAL # 2: By 2022, the District will achieve a 50% reduction in water usage on FCD landscaping from 7,500,000 gallons of water in 2014, thus reducing the overall water usage.	
	Key Initiatives
	Develop plan and begin implementing strategies to begin reducing landscaping water usage
	Evaluate and modify Drainage Design Manual, Consultant SOW/Design Guidelines, and Drainage Policies and Standards to include provisions for water conservation/harvesting/land restoration as integrated design
	Increase promotion and utilization of District's tall pot tree nursery program within District, County and external partners
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GOAL # 3: By 2022, the District will evaluate all new structures and 50% of the 83 existing District structures for potential water conservation measures and implement such water conservation measures on at least 5 of the new or existing structures.	
	Key Initiatives
	Educate staff on water conservation, landscape restoration, green infrastructure/low impact development to promote culture shift (LA/WC Branch)
	Integrate water conservation as a design goal on new structures & evaluate existing structures for opportunities
Key Initiatives not Associated with a 5 Year Goal	
	Key Initiatives
	GIS street view of District structures
	Develop a real-time dam fill forecasting tool